All Regional Engineers

Michael L. Hine

Special Provision for PVC Pipeliner

January 14, 2005

This special provision was developed by the Bureau of Materials and Physical Research at the recommendation of the Illinois Highway Development Council. The pay item has been revised. It should be inserted into all contracts requiring trenchless rehabilitation of sewer lines and conduits.

This rehabilitation process can be used in a variety of gravity applications such as sanitary sewers, storm sewers and process piping.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 29, 2005 and subsequent lettings. The Project Development and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory January 14, 2005.

80121m

PVC PIPELINER (BDE)

Effective: April 1, 2004
Revised: April 1, 2005

Description: This work shall consist of the rehabilitation of sewer lines and conduits 100 mm (4 in.) to 450 mm (18 in.) in diameter by the insertion of a folded/formed PVC pipe liner.

Materials. The folded/formed PVC pipe liner shall conform to ASTM F 1871.

Construction Requirements

The folded/formed PVC pipe liner shall be installed according to ASTM F 1867. The PVC pipe shall be heated, pressurized and expanded to conform to the wall of the original conduit forming a new structural pipe-within-a-pipe. The complete installation includes reinstatement of service laterals.

Both pre and post installation shall be performed and recorded with a camera having an accurate footage counter which shall display on the monitor the exact distance of the camera from the center line of the starting manhole. A copy of the inspection video shall be provided to the Department.

Method of Measurement. This work will be measured for payment in meters (feet) in place.

Basis of Payment. This work will be paid for at the contract unit price per meter (foot) for FOLDED/FORMED PVC PIPELINER, of the diameter specified.

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